

秘書長報告 2014/2015



吸引新血加入工程專業一直是學會的首要議程，二零一四/二零一五年度學會為實踐這目標所籌辦的對外拓展活動非常成功，並取得不少佳績。

學會為配合今年年度主題「啟發新一代 工程展未來」舉辦了多項活動，其中包括「教育及職業博覽2015」、「香港工程師學會學校大使計劃」及「樓宇安全週2015」，還招募了一百九十六位學校大使為大學生安排職業講座。學校大使亦參與了二零一四年十月由南華早報主辦的職業論壇，協助解答參加者提出有關升學及就業問題。

「工程與你」計劃是本年度的重點項目，一系列精彩活動包括「工程師的一天」、流動裝置遊戲程式比賽、攝影比賽和公開講座等。其中「工程師的一天」活動，合共吸引三十九所中學和三十五間工程畢業生培訓計劃的公司或機構參加。在本屆會期結束前，學會已安排了三十五次的培訓機構參觀活動。「工程師的一天」活動得到學校的踴躍支持，參與的學生對於能獲得親身體驗工程師日常工作的機會均反應積極。該計劃將持續到今年年底，為所有參加者安排共四十次的機構參觀活動。

另一項向青年人推廣工程專業的活動是「中學生工程體驗日營2015」，同樣獲得參加者的熱烈回應。很多參加者認為日營加強了他

們對工程的知識，更表示有興趣攻讀工程學以及在未來投身工程行業。今年另一項廣受會員及公眾好評的活動，是由倪明選教授、工程師及李焯芬教授、工程師分別主講的兩場卓越工程講座。學會自二零一三/二零一四年度選定「城市規劃與發展」為卓越工程講座的主題，為期三年，卓越工程講座對學會的地位定位及提升帶來重要的影響。

除了為公眾和年青人舉辦推廣活動外，學會亦利用各種不同渠道來傳播重要信息。在本年度開始時，我們安排傳媒機構參觀香港航空發動機維修服務有限公司，與機構代表分享了「啟發新一代 工程展未來」的各項主題活動，這次參觀也是「工程師的一天」計劃的一部份。為了突顯工程業界對香港經濟發展之重要性，學會還特別安排新聞界參觀屬於世界級物流設施的國泰航空貨運站，詳細了解跨界別合作和努力下的工程成果。學會在本年度共處理了約二百一十項傳媒查詢和採訪要求，以及透過各種媒體發放有關本會的新聞和資訊。

在專業進修事務方面，二零一四/二零一五年度是學會忙碌而充實的一年。二零一四年十一月廿八日舉行的香港工程師學會結構界別資歷考試（筆試），報考和應試人數分別為三百八十七和三百六十五位，雙雙創下過去六年新高。隨著學會結構界別資歷考試的模式漸趨成熟，我們會諮詢結構界別顧問小

組，擬備一份全面及詳細的文件，將有關的考試制度和程序備存記錄。

學會在採用「能力為本」評估方法來評估執業專業人員經驗和專業能力這項工作上亦繼續取得進展。在理事會通過有關專業工程師能力評估標準（包括能力及表現指標）的文件及專業資歷評核（能力評審）報告後，學會於二零一四年十月為獲得提名的屋宇裝備界別和土木界別評審員舉辦先導培訓工作坊，幫助他們熟習能力為本的評估方式，為正式評估作好準備。該先導計劃跟原有的專業評估同步運作，直到二零一五年六月為止。

與此同時，學會在「果效為本」認證工程學位課程的學術評審工作上，亦進一步向前邁進。截至本年度結束時，第一階段的「果效為本」認證訪問，已涵蓋八成本地工程學位課程。

鑑於各分部和委員會對舉辦持續專業進修活動及各類會議的場地需求不斷上升，學會於二零一四年完成購置總部位處的銅鑼灣金百利額外



與英國皇家航空學會簽訂互認協議

樓層，裝修工程亦已完成。部份秘書處職員已遷入新的辦公室，而騰出的舊辦公室空間亦已改變為嶄新的會議室。這些改變是學會為提升會員服務所作努力的一部份，期望各分部和委員會現在可較容易預約場地舉辦活動。

另外，學會積極加強便利專業工程師工作的措施。因應工程師對解決工程相關糾紛的法律支援日漸增加，學會在二零一三年六月與香港大律師公會接洽，就學會會員直接延聘執業大律師事宜展開商議，並在今年取得成果。協議訂明，由二零一五年六月十五日起，根據香港大律師公會行為守則附件19I，學會會員可在不聘用任何律師的情況下直接延聘執業大律師，就審裁處法律程序提供意見或代表出庭應訊。

鑑於建築信息模擬(BIM)技術在工程界日漸普及，學會特此成立專責小組，提高會員對BIM的認識，以及提倡BIM的應用和好處。在會長的帶領下，專責小組亦旨在向政府和業界持份者就BIM行業標準的制定和推行提供建議。

一直以來，學會經常為政府及其他公共機構提供意見，積極擔當諮詢角色。學會作為政府和會員之間的溝通橋樑，讓會員就公眾關心的議題透過書面及論壇的方式向政府



二零一四/二零一五年度香港工程師學會理事會

表達意見，以其專長及知識貢獻社會。學會今年就一系列工程相關的議題向立法會各個小組、委員會及小組委員會，以及政府政策局、部門及其他機構，合共提供十份書面建議，包括設立海濱管理局建議、《擴建香港國際機場成為三跑道系統》環境影響評估報告、二零一五年施政報告及二零一五至一六財政年度財政預算案。此外，學會亦舉行了兩個關於香港電力市場的現狀和未來發展的諮詢論壇，向會員徵集意見。

理事會於本年度提出兩項修改會章的建議，即增設副會長(委任)的職位以及將仲會員納入初級會員入會申請的支持者。針對有關修改建議而進行的特別大會於二零一五年六月廿九日舉行，經與會會員審議和投票，涉及納入仲會員為初級會員入會申請支持者的動議獲得通過，而增設副會長(委任)一職的動議則不獲接納。



中學生工程體驗日營2015

這繁忙而成果豐碩的一年，展現了各會員及秘書處全人努力和全情投入的寫照。最後，對於所有會員對本會的鼎力支持，我謹此致以衷心的謝忱。

阮高聲

秘書長
阮高聲



迎新酒會



於土耳其舉行的國際工程聯盟會議

Chief Executive and Secretary's Report 2014/2015



Attracting new blood to the engineering profession has been at the top of the HKIE's agenda and I am pleased to report that the outreach activities organised for Session 2014/2015 were highly successful in achieving this objective.

Key activities consistent with the theme of the Session, "Inspire the Young", included Education and Career Expo 2015, the HKIE School Ambassadors Programme and Building Safety Week 2015, where 196 School Ambassadors recruited for the programme took time to give career talks to tertiary students. The School Ambassadors were also engaged at the Classified Post Career Forum in October 2014, where they helped answer career-related questions from visitors.

The highlight of the year was the "Engineering and You" Programme, which included activities such as "Engineer for a Day" programme, an Apps competition, photo competition and public lectures. In particular, a total of 39 secondary schools and 35 Scheme "A" companies participated in the "Engineer for a Day" programme. At the end of the Session, 35 visits to Scheme "A" companies by secondary school students were arranged and the response from schools and students to the opportunity to experience a day in the life of working engineers was overwhelmingly positive. The programme will continue until the end of the year with a total of 40 visits arranged for secondary schools.

Another youth outreach activity, the Engineering Day Camp for Secondary School Students 2015, also received positive feedback from participants. Many of them felt the Day Camp had enhanced their knowledge of

engineering and expressed an interest in pursuing studies and careers in the profession. Another activity that received equally positive feedback from members and the public were the two Distinguished Lectures presented by Ir Prof Lionel Ni and Ir Prof C F Lee respectively. Continuing the theme of "Urban Planning and Development", which was introduced in Session 2013/2014 and designed to last for three Sessions, the HKIE Distinguished Lectures play an important role in building up the status and branding of the HKIE.

In addition to public and youth outreach, the Institution also took advantage of various channels both old and new to get our important messages out. At the beginning of the Session, we organised a media visit to the Hong Kong Aero Engine Services Limited as part of the "Engineer for a Day" programme, to share the "Inspire the Young" initiatives with the media. To demonstrate the vital role the engineering profession plays in Hong Kong's economic development, the media was also invited to a tour of the Cathay Pacific Cargo Terminal, to learn more about collaborative and cross-disciplinary efforts in engineering. During the report period, our officers handled some 210 media enquiries and interviews, and news and stories about the HKIE were circulated through various media outlets.

Session 2014/2015 was also a busy year for the HKIE on the professional development front. The HKIE Structural Examination (written examination) was successfully conducted on 28 November 2014 with a total of 387 applicants and 365 candidates for the written examination, both record highs for the past six years. With the HKIE

Structural Examination approaching maturity, a comprehensive paper will be prepared in consultation with the Structural Discipline Advisory Panel to document the examination system and procedures.

Progress was also achieved in the adoption of the competence-based approach for the assessment of experience and professional competence. Following the adoption of the set of documents "Competence Standard for Professional Engineers (including Competences and Performance Indicators) and Professional Assessment Report (Competence Assessment)" by the Council, a pilot training workshop was conducted in October 2014 for nominated assessors of the Building Services and Civil Disciplines with a view towards assisting their familiarisation with competence-based assessment. Pilot tests were conducted in parallel with normal professional assessments until June 2015.

The Institution also moved forward with outcomes based accreditation for engineering degree programmes. Up to the end of the Session, 80% of engineering degree programmes in Hong Kong have been covered by the first cycle of outcomes based accreditation visits.



Distinguished Lecture 2015

In view of the rising demand for venues to accommodate continuing professional development events as well as meetings organised by Divisions and Committees, the HKIE completed the purchase of an additional floor in Island Beverley in 2014. The fitting-out has been completed with some old office space converted into new meeting rooms while some Secretariat staff have moved into newly furnished premises. These changes are part of our efforts to enhance our services to members. We hope our Divisions and Committees will now find it easier to secure a venue for their activities.

The Institution has also taken steps to facilitate members in their practice. In response to the growing need of engineers for legal support to resolve works-related disputes, the Institution approached the Hong Kong Bar Association (HKBA) in June 2013, proposing direct access to barristers by the HKIE members. Effective 15 June 2015, the HKIE Corporate Members may instruct Hong Kong barristers directly for advice and appearance in tribunal proceedings in accordance with Annex 19I of the Code of Conduct of the HKBA.

Noting the increasing adoption of Building Information Modelling (BIM) among engineering concerns, the HKIE formed a task force to raise awareness and promote the usage and benefits of BIM among members. Spearheaded by the President, the task force will also aim to advise the Government and industry stakeholders on the development of BIM standards and their implementation.

While being frequently consulted by the Government and other public



Media Luncheon

organisations, the Institution also takes its advisory role proactively. To facilitate members' efforts to contribute their expertise and knowledge to society, the Institution acts as a channel for members to express their views to the Government, through written submissions as well as forums on topics of public concern. During the Session there were ten submissions to various Legislative Council panels, committees or sub-committees as well as government bureaux/ departments and other external organisations. Topics ranged from the proposed establishment of the Harbourfront Authority, the environmental impact assessment report for the proposed Third Runway at Hong Kong International Airport, 2015 Policy Address and The 2015-16 Budget. Additionally, we also organised two forums on the current and future development of the Hong Kong's electricity market to invite members to express their views.

During this Session two changes to the Constitution were proposed by the Council, namely the creation of the post of Vice President (Appointed) and the inclusion of Associate Members as supporters of applications to become Graduate Members. A Special General Meeting was held on 29 June 2015 to consider these changes. The motion to include



The 40th Annual General Meeting

Associate Members as supporters of the membership applications of Graduate Members was adopted. The other motion to propose the creation of the post of Vice President (Appointed) was not carried.

This busy and successful Session is a reflection of the hard work invested by our members and the Secretariat. I would like to conclude my report with a note of thanks to all of you for your unstinting support of the Institution.

Monica YUEN
Chief Executive and Secretary



The HKIE Annual Dinner



Presidential Address 2014-2015